

# Repair and Protection of the Strut Arms, Housing, and Shaft Using Belzona

ID: 10014

Industry: *Military*  
Application: *SOS-Ships and Offshore Structures*  
Substrate: *Other*  
Products: *Belzona 1111 (Super Metal), Belzona 5821*

Customer Location: *Saudi Arabia*  
Application Date: *February 2023*

## Problem

*The strut arms, housing, and shaft of a marine vessel were heavily corroded due to prolonged exposure to seawater.*



Corrosion attack was caused by prolonged exposure to seawater



Belzona 1111 (Super Metal) was used to rebuild and fair the pitting damage on the substrate



Application of the first coat of Belzona 5821



Application of second coat of Belzona 5821

## Application Situation

Belzona provided the most effective, economical, and rapid solution for the customer. The repair was completed, and the vessel was returned to operation within two days.

## Application Method

Belzona 1111 (Super Metal) was applied to rebuild areas of pitting and to fair the substrate with the aid of plastic applicators. After the surface rebuilding was completed, the first coat of Belzona 5821 (dusty grey) was applied. After the first coat, the second coat of Belzona 5821 (yellow) was applied to complete the protective system.

## Belzona Facts

Belzona was the most effective, economical and fastest solution for the customer we did the repair and the ship went back into operation within 2 days

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ISO 9001:2015  
FS 695214  
ISO 14001:2015  
EMS 695213

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